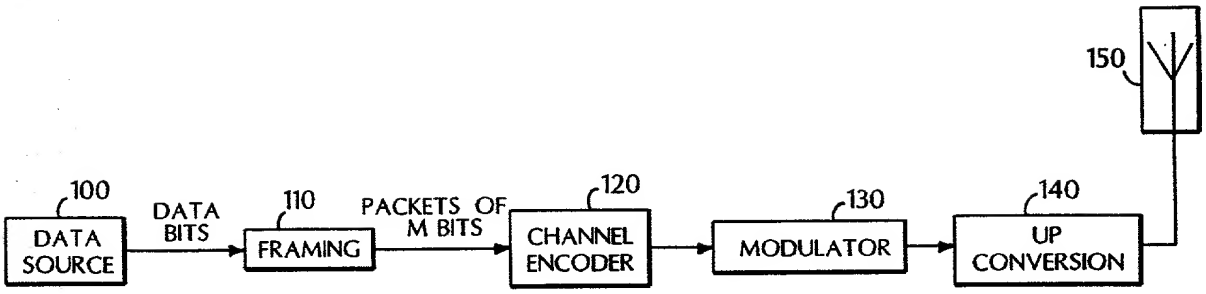

FIG. 1

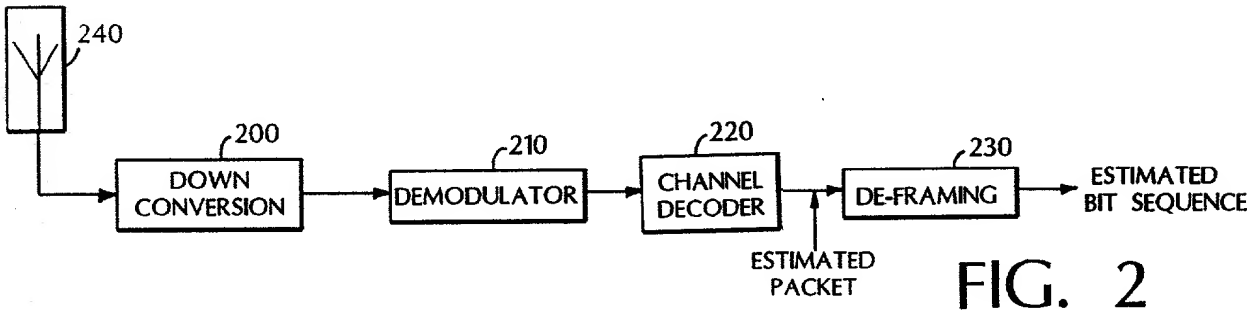

FIG. 2

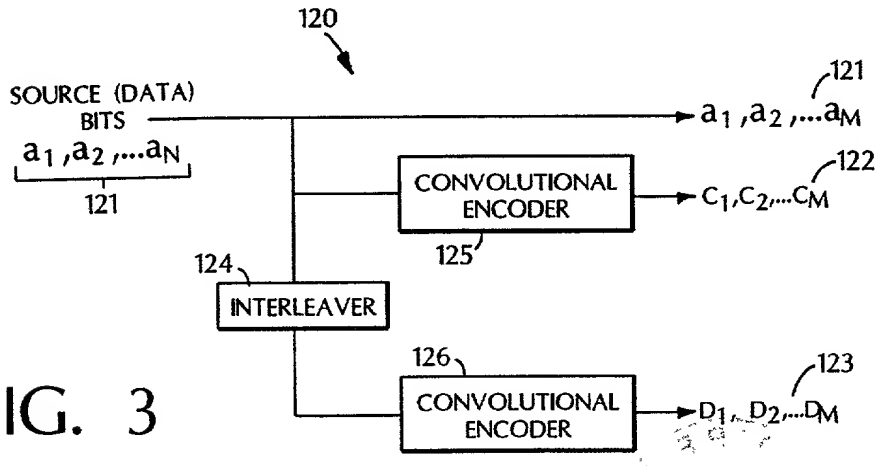

FIG. 3

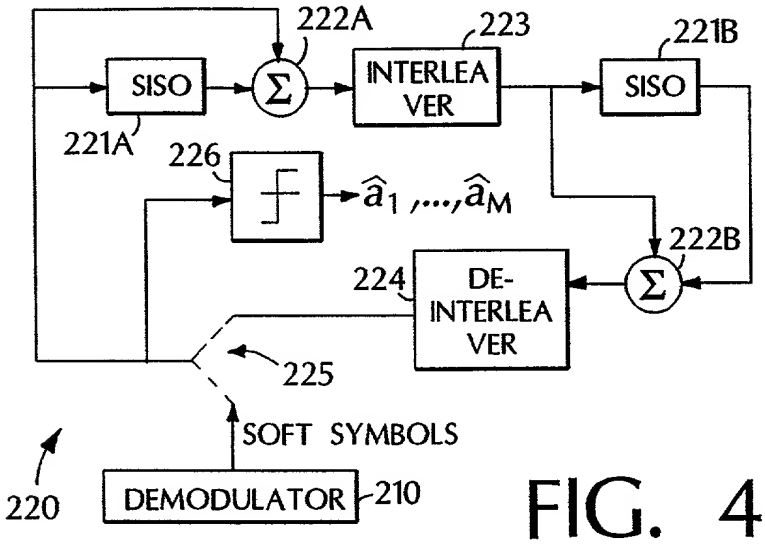

FIG. 4

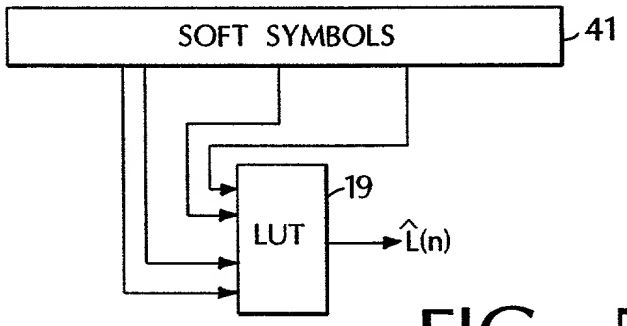

FIG. 5

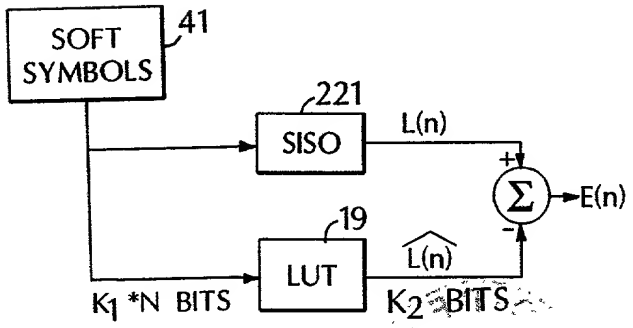

FIG. 6

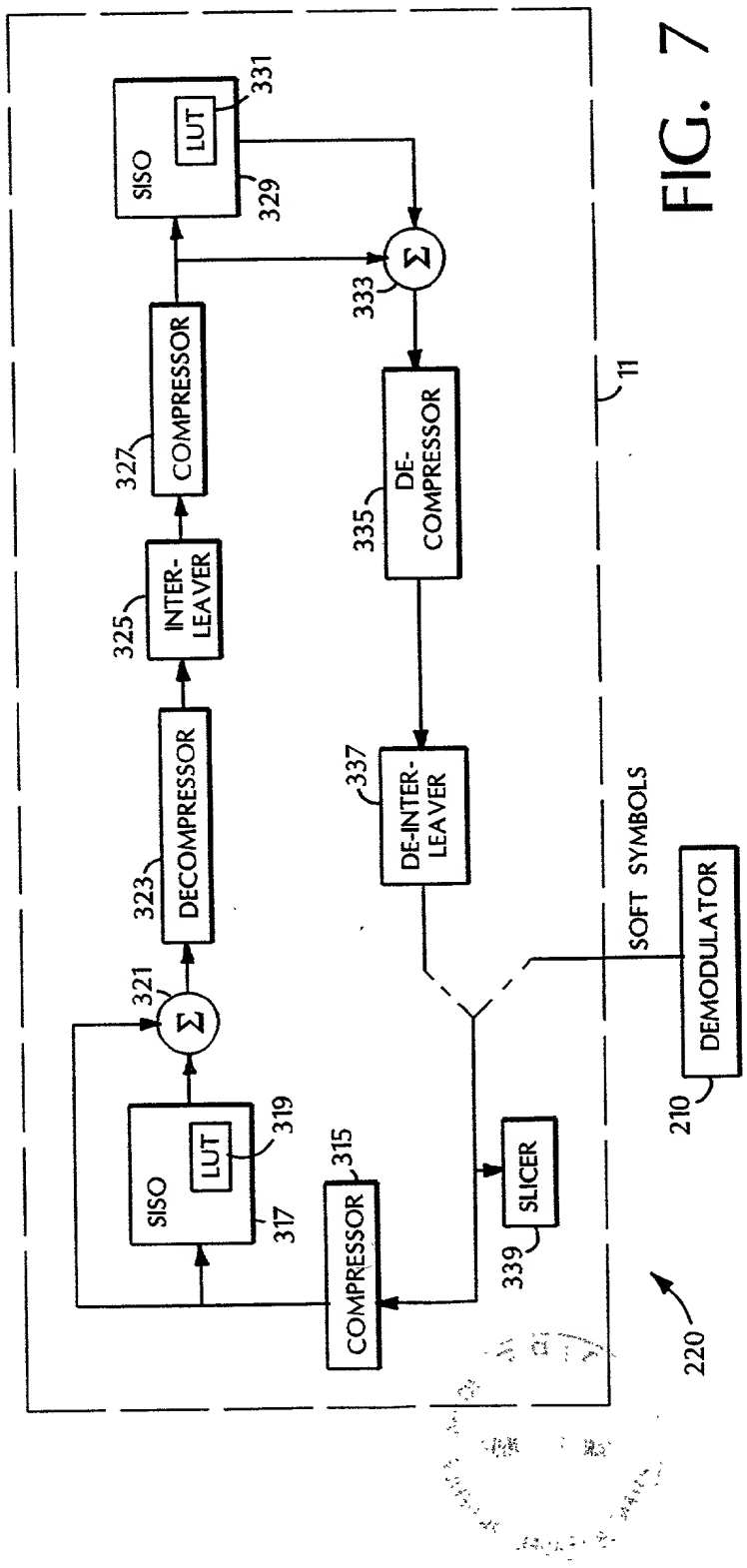
SISO
LUT
331
329
333
327
COMPRESSOR
325
INTER-
LEAVER
323
DECOMPRESSOR
321
319
317
315
COMPRESSOR
339
SLICER
335
DE-
COMPRESSOR
337
DE-INTER-
LEAVER
SOFT SYMBOLS
DEMODULATOR
210
11
220

FIG. 7

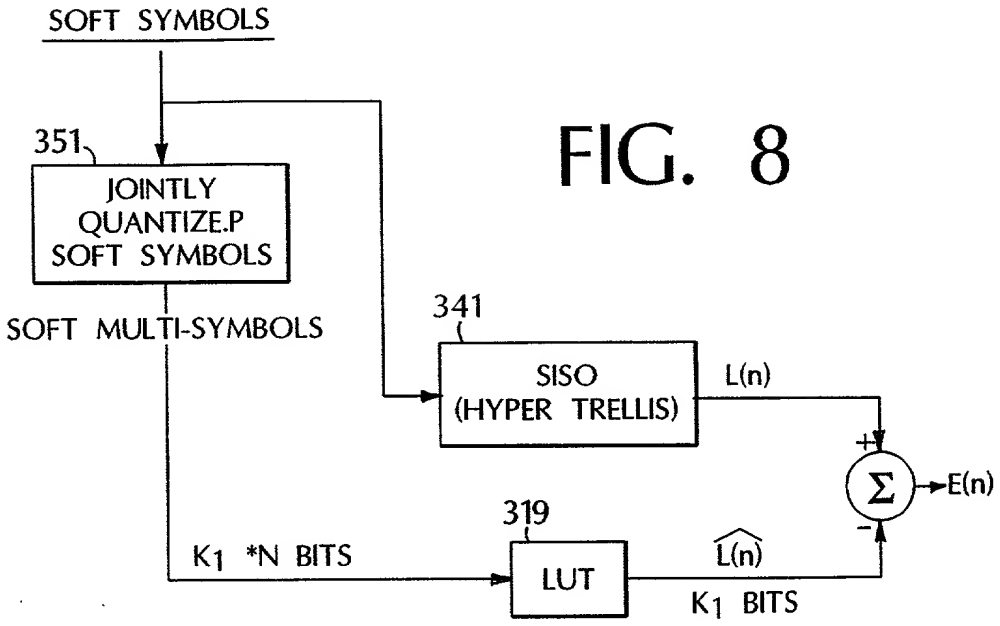
SOFT SYMBOLS
351
JOINTLY QUANTIZE.P SOFT SYMBOLS
SOFT MULTI-SYMBOLS
341
SISO (HYPER TRELLIS)
L(n)
+
Σ
-
E(n)
319
K1 *N BITS
LUT
L(n)
K1 BITS

FIG. 8

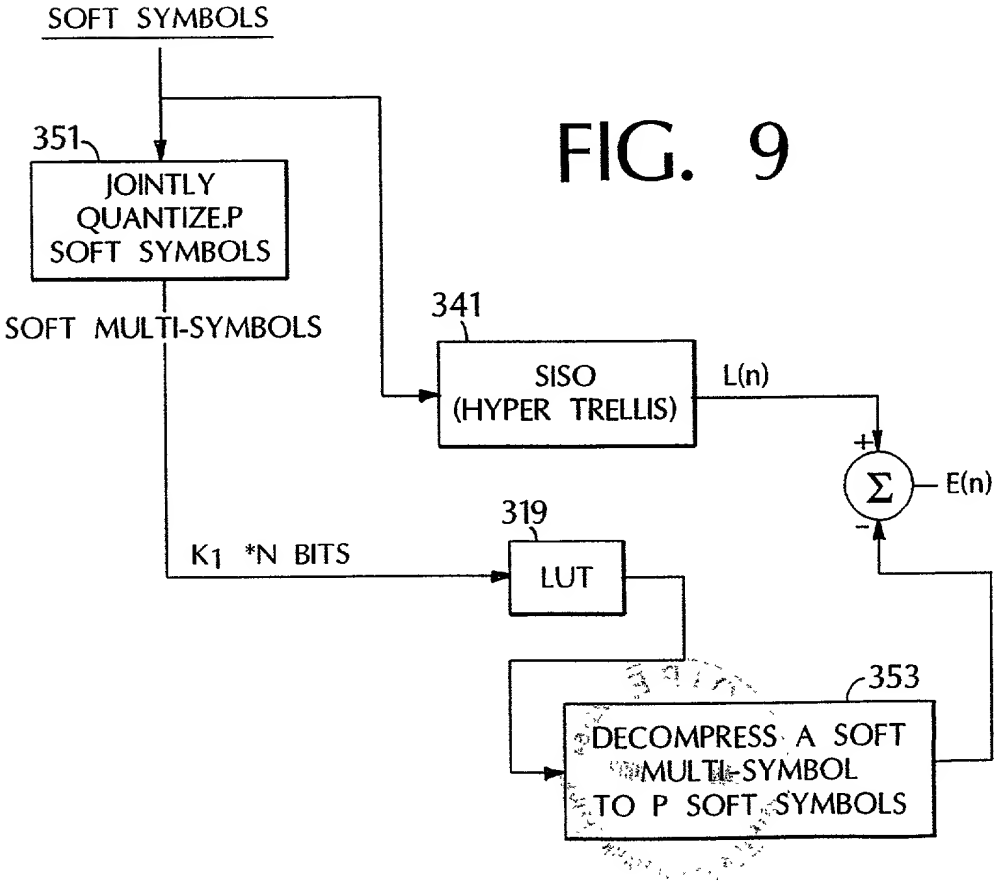
SOFT SYMBOLS
351
JOINTLY QUANTIZE.P SOFT SYMBOLS
SOFT MULTI-SYMBOLS
341
SISO (HYPER TRELLIS)
L(n)
+
Σ
-
E(n)
319
K1 *N BITS
LUT
353
DECOMPRESS A SOFT MULTI-SYMBOL TO P SOFT SYMBOLS

FIG. 9